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Illinois  
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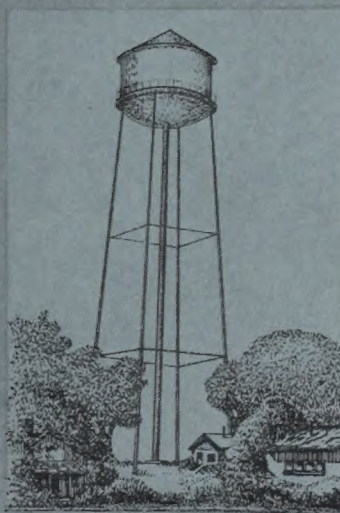
Division of Public Water Supplies  
2200 Churchill Road  
Springfield, Illinois 62706

24527074

## Groundwater Quality Protection Program

IMPERIAL MHP  
FACILITY NUMBER 1975225  
WELL SITE SURVEY REPORT

Division of Public Water Supplies



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GROUNDWATER QUALITY PROTECTION PROGRAM:

IMPERIAL MHP  
FACILITY NUMBER 1975225  
WELL SITE SURVEY REPORT

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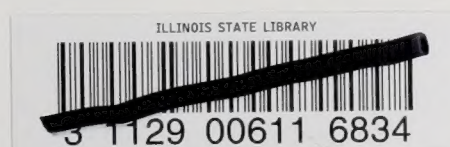
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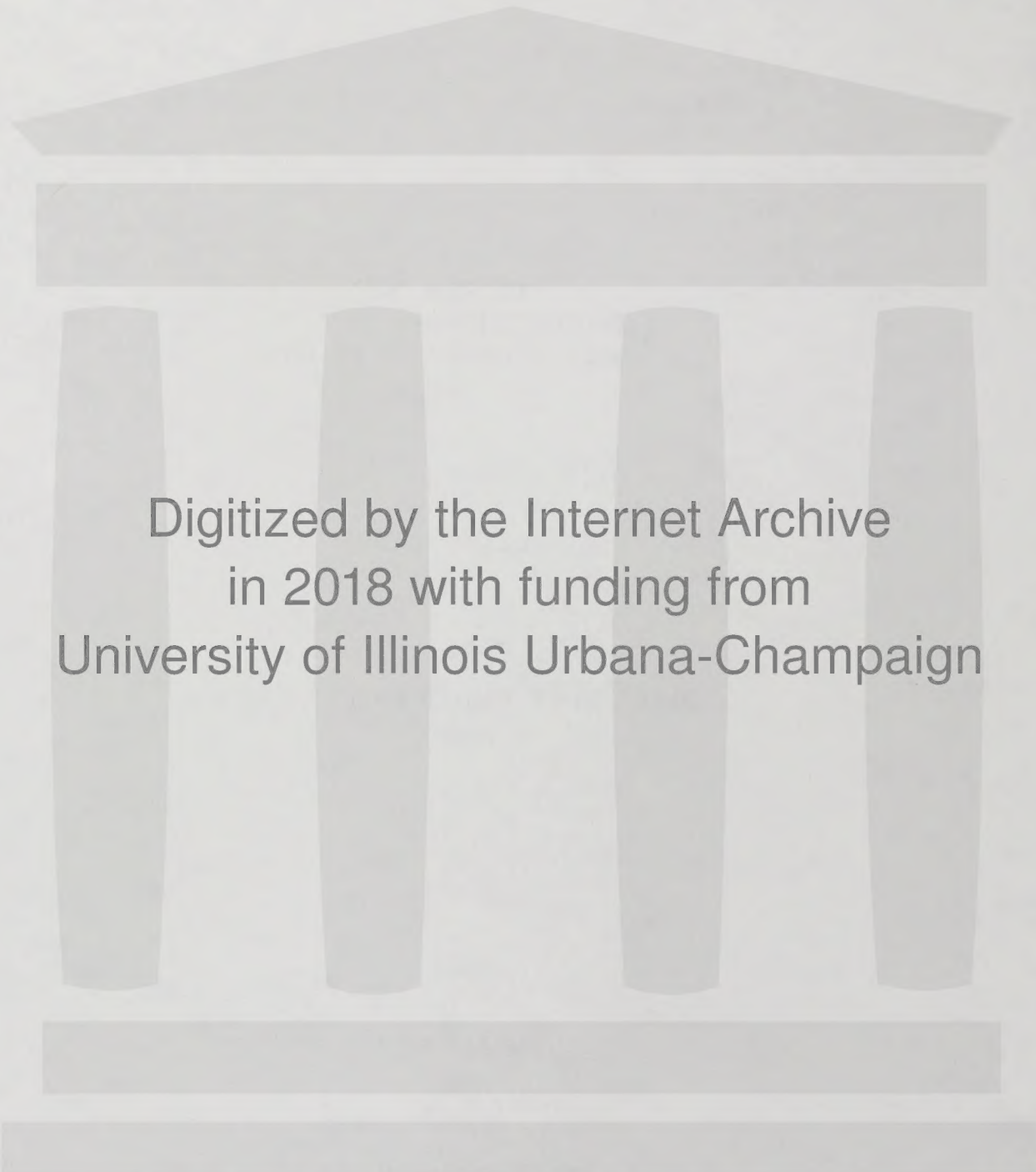
Illinois Environmental Protection Agency

Springfield, Illinois

June, 1991







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## INTRODUCTION

This report has been prepared by the Agency pursuant to Section 17.1 of the Illinois Environmental Protection Act. The report summarizes information about your facility and samples collected and analyzed from your well(s). The well site survey provides an inventory of the area around your well(s) to help increase your awareness of potential hazards to groundwater utilized by your facility. This information and technical data will assist you in developing and implementing local groundwater protection measures authorized by the Act.

## FACILITY DESCRIPTION AND GEOLOGIC PROFILE OF WELL SITES

Imperial MHP (Fac. #1975225) has three public water supply wells, wells #1 (IEPA #20421), #2 (IEPA #20422) and #3 (IEPA #00157). The facility supplies approx. 23,738 gallons per day to 180 services.

The surficial geologic susceptibility (permeability) rating is C1. The aquifer is overlain by deep permeable bedrock overlain by till. Permeability is a measure of the ability of a soil or sediment to transmit fluids. A detailed description and geologic profile is found in the Facility Wells Report (Appendix C).

Table I provides a description of each well as follows:

Table I

	Minimum Setback (Ft.)	Maximum Setback (Ft.)	Status	Capacity (gpm) (MGD)	Specific Capacity (gpm/Ft.)	Treatment	Aquifer	Well Depth (Ft.)	Well Logs Avl
Well #1 (20421)	200	NA	A	80 .115		Chl.	Deep Bedrock	580	Yes
Well #2 (20422)	200	NA	A	110 .158		Chl.	Same	1440	Yes
Well #3 (00157)	200	NA	A	60 .086		Chl.	Same	706	Yes

A - Active

## GROUNDWATER SAMPLING AND MONITORING HISTORY

Imperial MHP wells #1-#3 were sampled as part of the Statewide Groundwater Monitoring Program on Aug. 28, 1987. The samples were analyzed for volatile organic/aromatic compounds (VOC/VOA) and inorganic chemicals (IOC).

Review of the VOC/VOA analyses did not indicate quantifiable levels of any organic compounds. The IOC analyses performed indicate that the parameters are consistent with those of other deep bedrock aquifers in northeastern Illinois (Appendix D).



## WELL SITE SURVEY METHODS AND PROCEDURES

The detailed well site survey consists of an aerial photographic map and inventory that relate information about potential contamination sources, routes and possible problem sites to the public water supply well(s). The location of the potential sources, routes, possible problem sites, minimum setback zone and 1,000 Ft. survey area are all displayed on the aerial photographic map (Appendix B).

The first page of each survey consists of a summary description and geologic profile for each well. The second and following pages inventory units within and bordering a 1,000 Ft. radius of the wellhead. A unit is defined as "any device, mechanism, equipment, or area (exclusive of land utilized only for agricultural production)". (See Groundwater Primer pg. 19) The agency 5-digit well number is associated with a map code or unit, and then classified. The classification codes relate to definitions of potential contamination sources and routes as defined in the Illinois Groundwater Protection Act (Primer pages 18-19). Each unit or map code is then described and associated with an owner/address. The distance and direction from the wellhead is also indicated.

### Survey Results and Findings

The Imperial MHP well site survey was conducted on Dec. 28, 1989 by Fred Martinez of the Agency's Elgin Regional Office. Mr. Martinez interviewed John Abel, operator, during the initial sampling of the wells. The following describes the survey results and findings for Imperial MHP:

#### Imperial MHP #1 (20421) [Refer to Aerial Photograph B]

The survey area is rural. The area is a mixture of high density residential and light commercial. The remaining area is a forest preserve. The well is located W of the barn and office in a street. There were no potential contamination sources or routes observed.

There are, however, two possible problem sites located outside the minimum setback zone, but within the 1,000 Ft. survey area. These sites include: a sewage treatment plant, located 480 Ft. E of the wellhead, map code 5; a Citgo station, located 620 Ft. SSW of the wellhead, map code 6.

#### Imperial MHP #2 (20422) [Refer to Aerial Photograph B]

The survey area is rural. The area is a mixture of high density residential and light commercial. The remaining area is a forest preserve. The well is located on the N side of the barn, E of the office. There were no potential contamination sources or routes observed.

There are, however, two possible problem sites located outside the minimum setback zone, but within the 1,000 Ft. survey area. These sites include: a sewage treatment plant, located 300 Ft. E of the wellhead, map code 5; a Citgo station, located 680 Ft. SW of the wellhead, map code 6.

#### Imperial MHP #3 (00157) [Refer to Aerial Photograph B]

The survey area is rural. The area is a mixture of high density residential and light commercial. The remaining area is a forest preserve. The well is located on the S side of the barn, SE of the office. There were no potential contamination sources or routes observed.



There are, however, two possible problem sites located outside the minimum setback zone, but within the 1,000 Ft. survey area. These sites include: a sewage treatment plant, located 300 Ft. E of the wellhead, map code 5: a Citgo station, located 630 Ft. SW of the wellhead, map code 6.

#### SUMMARY

The well site survey and monitoring indicate that there are six potential contamination source(s), route(s), or possible problem site(s) that could possibly impact the groundwater utilized by Imperial MHP.

The Illinois Environmental Protection Act provides minimum setback zones for your well(s) and are regulated by the IEPA. The Act also authorizes county and municipal officials the opportunity to establish maximum setback zones up to 1,000 Ft. The responsibility of regulation would then be assumed by local officials through the adoption of a maximum setback ordinance. The county served by the MHP should be contacted in order to make application.

#### RECOMMENDATIONS

The Agency strongly urges Imperial MHP to consider establishing maximum setback zones for its wells. The Agency has prepared a "Maximum Setback Zone Workbook" which provides detailed case studies of how to establish a maximum setback zone. Technical assistance is available from the Agency and the Illinois State Water Survey.

FM:0083A-9







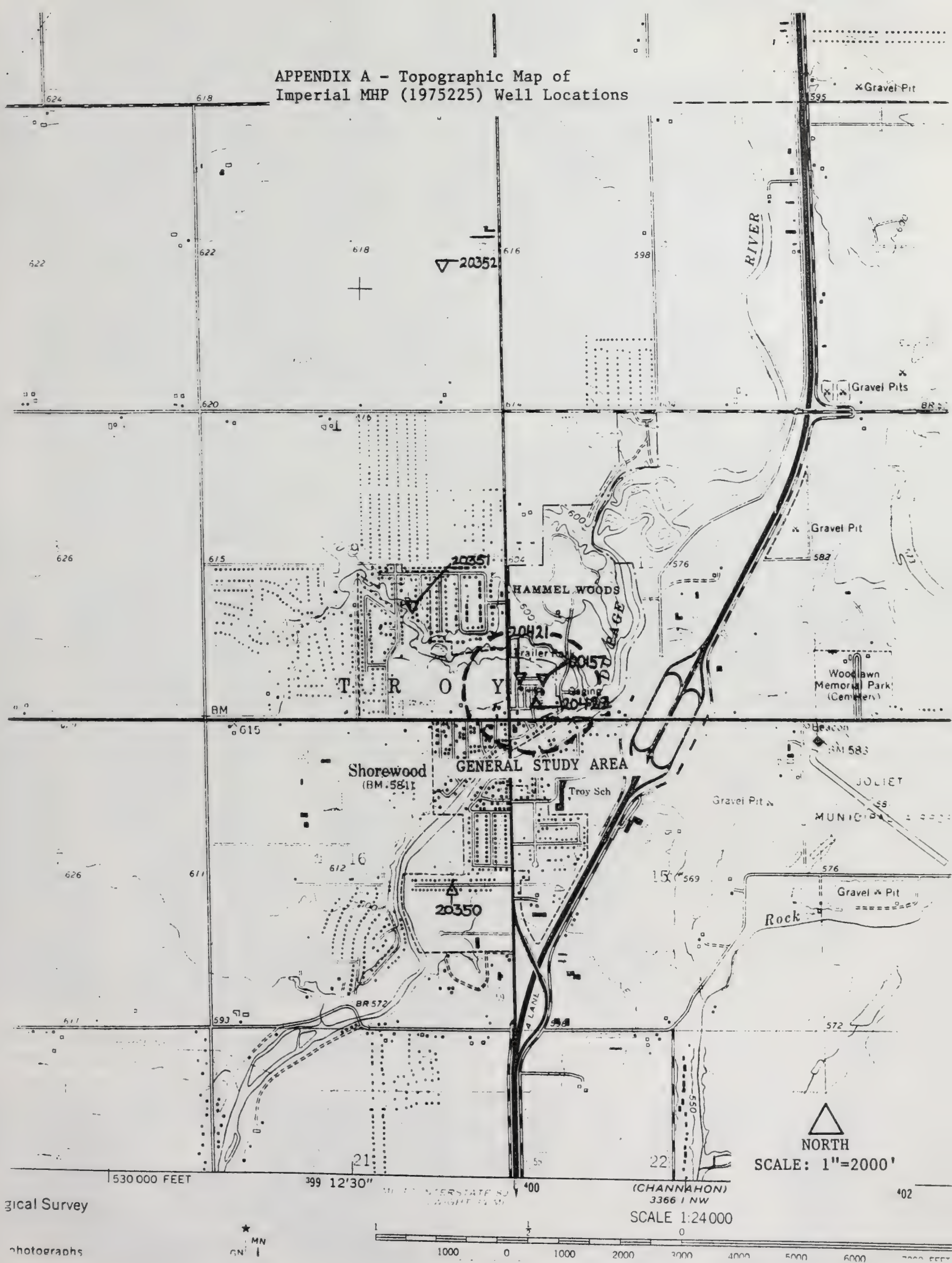
## TECHNICAL APPENDICES







## APPENDIX A - Topographic Map of Imperial MHP (1975225) Well Locations







APPENDIX B  
AERIAL PHOTOGRAPHIC MAP

T PRESERVE

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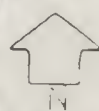
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6

7

8

SHOREWOOD  
1975080  
IMPERIAL MHP  
1975225  
1"=400'









APPENDIX: B1 - Imperial MHP Well #1 (IEPA #20421) WELL SITE SURVEY SUMMARY  
DESCRIPTION AND GEOLOGIC PROFILE

SURVEYOR: Martinez  
SURVEY DATE: 12-28-89

ADDRESS:  
Alan Dworkin  
2000 N. Waukegan Rd.  
Glenview, IL 60025

AGENCY WELL NO: 20421  
WELL NAME & DESC.: Well #1, W of barn and office in street.  
TREATMENT APPLICATION POINT: 01  
FACILITY NO. & NAME: 1975225, Imperial MHP  
FAC. PHONE NUMBER: 815/725-2930  
LOCATION:  
TWP, RNG, SECTION, 10 ACRE PLOT:  
35N, 09E, 10, 8A  
DISTANCE FROM CORNER: 540'N, 300'E  
QUAD SHEET CODE & NAME: 053C, Plainfield  
MIN. SETBACK: 200 FT.  
MAX. SETBACK:  
SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: C1, Deep, permeable bedrock  
overlain by till.  
AGE OF WELL (DATE OF WELL CONSTRUCTION):  
WELL DEPTH: 580 FT.  
AQUIFER CODE: 6366, Deep Bedrock  
MULTIPLE AQUIFER (Y, N): Yes  
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is rural. The  
area is a mixture of high density residential and light commercial. The  
remaining area is a forest preserve.  
INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:  
John Abel - Imperial MHP - Oper. - 815/725-2930

Appendix: B1 - INVENTORY AND SYNOPSIS OF UNITS Imperial MHP Well #1 (IEPA #20421)

Classification Key\*

<u>Min. Zone</u>	<u>Outside Min. Zone</u>
PP = Potential Primary	OP = Potential Primary
PS = Potential Secondary	OS = Potential Secondary
RI = Potential Route	OR = Potential Route
CC = Certified	- CC = Certified
XI = Unknown	OX = Unknown
CL = Cleanup	CU = Cleanup

---

Well No. - Map Code - Classf\*: 20421-01-  
Name & Address of Unit Owner: Baba's, Rts. 59 & 52, Shorewood, IL  
Description and Comments: Restaurant.  
Pre or Post (Y,N): Y  
Distance and Direction: 520'SW

---

Well No. - Map Code - Classf\*: 20421-02-  
Name & Address of Unit Owner: Marie's Salon, Rt. 52, Shorewood, IL  
Description and Comments: Hair, nail and tanning salon.  
Pre or Post (Y,N): Y  
Distance and Direction: 740'SW

---

Well No. - Map Code - Classf\*: 20421-03-  
Name & Address of Unit Owner: White Hen, Rt. 59, Shorewood, IL  
Description and Comments: Convenience store.  
Pre or Post (Y,N): Y  
Distance and Direction: 820'SW

---

Well No. - Map Code - Classf\*: 20421-04-  
Name & Address of Unit Owner: Troy Fire Protection District, Rt. 52, Shorewood, IL  
Description and Comments: Fire station.  
Pre or Post (Y,N): Y  
Distance and Direction: 860'SW

---

Well No. - Map Code - Classf\*: 20421-05-OS  
Name & Address of Unit Owner: Imperial MHP, Rts. 59 & 52, Shorewood, IL  
Description and Comments: Sewage treatment plant, NPDES # IL0055239  
Pre or Post (Y,N): Y  
Distance and Direction: 480'E

---

Well No. - Map Code - Classf\*: 20421-06-OS  
Name & Address of Unit Owner: Citgo, Rts. 59 & 52, Shorewood, IL  
Description and Comments: Service station with greater than 1,000 gals. below ground storage of gasoline, ISFM # 2-018493  
Pre or Post (Y,N): Y  
Distance and Direction: 620'SSW



Well No. - Map Code - Classf\*: 20421-07-  
Name & Address of Unit Owner: Ali Baba's Inn, Rt. 52, Shorewood, IL  
Description and Comments: Restaurant and tavern.  
Pre or Post (Y,N): Y  
Distance and Direction: 640'S

---

Well No. - Map Code - Classf\*: 20421-08-  
Name & Address of Unit Owner: Small multi-business bldg., Rt. 59,  
Shorewood, IL  
Description and Comments: Donut Hole, Travel Unlimited, Movie House Video.  
Pre or Post (Y,N): Y  
Distance and Direction: 710'SSW

---





APPENDIX: B2 - Imperial MHP Well #2 (IEPA #20422) WELL SITE SURVEY SUMMARY  
DESCRIPTION AND GEOLOGIC PROFILE

SURVEYOR: Martinez  
SURVEY DATE: 12-28-89

ADDRESS:  
Alan Dworkin  
2000 N. Waukegan Rd.  
Glenview, IL 60025

AGENCY WELL NO: 20422  
WELL NAME & DESC.: Well #2, N side of barn, E of office.  
TREATMENT APPLICATION POINT: 01  
FACILITY NO. & NAME: 1975225, Imperial MHP  
FAC. PHONE NUMBER: 815/725-2930  
LOCATION:  
TWP, RNG, SECTION, 10 ACRE PLOT:  
35N, 09E, 10, 8A  
DISTANCE FROM CORNER: 525'N, 450'E  
QUAD SHEET CODE & NAME: 053C, Plainfield  
MIN. SETBACK: 200 FT.  
MAX. SETBACK:  
SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: C1, Deep, permeable bedrock  
overlain by till.  
AGE OF WELL (DATE OF WELL CONSTRUCTION): 1976  
WELL DEPTH: 1440 FT.  
AQUIFER CODE: 8187, Deep Bedrock  
MULTIPLE AQUIFER (Y, N): Yes  
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is rural. The  
area is a mixture of high density residential and light commercial. The  
remaining area is a forest preserve.  
INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:  
John Abel - Imperial MHP - Oper. - 815/725-2930

Appendix: B2 - INVENTORY AND SYNOPSIS OF UNITS Imperial MHP Well #2 (IEPA #20422)

Classification Key\*

<u>Min. Zone</u>	<u>Outside Min. Zone</u>
PP = Potential Primary	OP = Potential Primary
PS = Potential Secondary	OS = Potential Secondary
RI = Potential Route	OR = Potential Route
CC = Certified	CC = Certified
XI = Unknown	OX = Unknown
CL = Cleanup	CU = Cleanup

---

Well No. - Map Code - Classf\*: 20422-01-  
Name & Address of Unit Owner: Baba's, Rts. 59 & 52, Shorewood, IL  
Description and Comments: Restaurant.  
Pre or Post (Y,N): Y  
Distance and Direction: 650'SW

---

Well No. - Map Code - Classf\*: 20422-02-  
Name & Address of Unit Owner: Marie's Salon, Rt. 52, Shorewood, IL  
Description and Comments: Hair, nail and tanning salon.  
Pre or Post (Y,N): Y  
Distance and Direction: 850'SW

---

Well No. - Map Code - Classf\*: 20422-03-  
Name & Address of Unit Owner: White Hen, Rt. 59, Shorewood, IL  
Description and Comments: Convenience store.  
Pre or Post (Y,N): Y  
Distance and Direction: 900'SW

---

Well No. - Map Code - Classf\*: 20422-04-  
Name & Address of Unit Owner: Troy Fire Protection District, Rt. 52, Shorewood, IL  
Description and Comments: Fire station.  
Pre or Post (Y,N): Y  
Distance and Direction: 980'SW

---

Well No. - Map Code - Classf\*: 20422-05-OS  
Name & Address of Unit Owner: Imperial MHP, Rts. 59 & 52, Shorewood, IL  
Description and Comments: Sewage treatment plant, NPDES # IL0055239  
Pre or Post (Y,N): Y  
Distance and Direction: 300'E

---

Well No. - Map Code - Classf\*: 20422-06-OS  
Name & Address of Unit Owner: Citgo, Rts. 59 & 52, Shorewood, IL  
Description and Comments: Service station with greater than 1,000 gals. below ground storage of gasoline, ISFM # 2-018493  
Pre or Post (Y,N): Y  
Distance and Direction: 680'SW

---



Well No. - Map Code - Classf\*: 20422-07-

Name & Address of Unit Owner: Ali Baba's Inn, Rt. 52, Shorewood, IL

Description and Comments: Restaurant and tavern.

Pre or Post (Y,N): Y

Distance and Direction: 670'SW

---

Well No. - Map Code - Classf\*: 20422-08-

Name & Address of Unit Owner: Small multi-business bldg., Rt. 59,  
Shorewood, IL

Description and Comments: Donut Hole, Travel Unlimited, Movie House Video.

Pre or Post (Y,N): Y

Distance and Direction: 760'SW

---





APPENDIX: B3 - Imperial MHP Well #3 (IEPA #00157) WELL SITE SURVEY SUMMARY  
DESCRIPTION AND GEOLOGIC PROFILE

SURVEYOR: Martinez  
SURVEY DATE: 12-28-89

ADDRESS:  
Alan Dworkin  
2000 N. Waukegan Rd.  
Glenview, IL 60025

AGENCY WELL NO: 00157  
WELL NAME & DESC.: Well #3, S side of barn, SE of office.  
TREATMENT APPLICATION POINT: 01  
FACILITY NO. & NAME: 1975225, Imperial MHP  
FAC. PHONE NUMBER: 815/725-2930  
LOCATION:  
TWP, RNG, SECTION, 10 ACRE PLOT:  
35N, 09E, 10, 8A  
DISTANCE FROM CORNER: 475'N, 450'E  
QUAD SHEET CODE & NAME: 053C, Plainfield  
MIN. SETBACK: 200 FT.  
MAX. SETBACK:  
SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: C1, Deep, permeable bedrock  
overlain by till.  
AGE OF WELL(DATE OF WELL CONSTRUCTION): 1984  
WELL DEPTH: 706 FT.  
AQUIFER CODE: 6366, Deep Bedrock  
MULTIPLE AQUIFER (Y, N): Yes  
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is rural. The  
area is a mixture of high density residential and light commercial. The  
remaining area is a forest preserve.  
INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:  
John Abel - Imperial MHP - Oper. - 815/725-2930

Appendix: B3 - INVENTORY AND SYNOPSIS OF UNITS Imperial MHP Well #3 (IEPA #00157)

Classification Key\*

<u>Min. Zone</u>	<u>Outside Min. Zone</u>
PP = Potential Primary	OP = Potential Primary
PS = Potential Secondary	OS = Potential Secondary
RI = Potential Route	OR = Potential Route
CC = Certified	CC = Certified
XI = Unknown	OX = Unknown
CL = Cleanup	CU = Cleanup

---

Well No. - Map Code - Classf\*: 00157-01-  
Name & Address of Unit Owner: Baba's, Rts. 59 & 52, Shorewood, IL  
Description and Comments: Restaurant.  
Pre or Post (Y,N): Y  
Distance and Direction: 620'SW

---

Well No. - Map Code - Classf\*: 00157-02-  
Name & Address of Unit Owner: Marie's Salon, Rt. 52, Shorewood, IL  
Description and Comments: Hair, nail and tanning salon.  
Pre or Post (Y,N): Y  
Distance and Direction: 810'SW

---

Well No. - Map Code - Classf\*: 00157-03-  
Name & Address of Unit Owner: White Hen, Rt. 59, Shorewood, IL  
Description and Comments: Convenience store.  
Pre or Post (Y,N): Y  
Distance and Direction: 850'SW

---

Well No. - Map Code - Classf\*: 00157-04-  
Name & Address of Unit Owner: Troy Fire Protection District, Rt. 52, Shorewood, IL  
Description and Comments: Fire station.  
Pre or Post (Y,N): Y  
Distance and Direction: 940'SW

---

Well No. - Map Code - Classf\*: 00157-05-0S  
Name & Address of Unit Owner: Imperial MHP, Rts. 59 & 52, Shorewood, IL  
Description and Comments: Sewage treatment plant, NPDES # IL0055239  
Pre or Post (Y,N): Y  
Distance and Direction: 300'E

---

Well No. - Map Code - Classf\*: 00157-06-0S  
Name & Address of Unit Owner: Citgo, Rts. 59 & 52, Shorewood, IL  
Description and Comments: Service station with greater than 1,000 gals. below ground storage of gasoline, ISPM # 2-018493  
Pre or Post (Y,N): Y  
Distance and Direction: 630'SW



Well No. - Map Code - Classf\*: 00157-07-  
Name & Address of Unit Owner: Ali Baba's Inn, Rt. 52, Shorewood, IL  
Description and Comments: Restaurant and tavern.  
Pre or Post (Y,N): Y  
Distance and Direction: 610'SW

---

Well No. - Map Code - Classf\*: 00157-08-  
Name & Address of Unit Owner: Small multi-business bldg., Rt. 59,  
Shorewood, IL  
Description and Comments: Donut Hole, Travel Unlimited, Movie House Video.  
Pre or Post (Y,N): Y  
Distance and Direction: 710'SW

---





## APPENDIX C





REPORT: PWGRP053  
MODULE: PWGNM027

FACILITY: 1975225 IMPERIAL MHP

----- OWNER ----- OFFICIAL CUSTODIAN -----

ALAN DWORKIN

JOHN AREL

952 VALLEY STREAM DR

952 VALLEY STREAM DR

EXECUTIVE SUITE

EXECUTIVE SUITE

WHEELING

IL 60090

WHEELING

IL 60090

WELL: 00157 IMPERIAL MHP WELL 3 SOUTH SIDE OF BARN  
LATITUDE: N41 31 30.0

STATUS: ACTIVE  
LONGITUDE: W088 10 38.5

BACKUP TWP: DEPTH(FT): 706  
RNG: SEC: PLOT:

SUSCEPTIBILITY - LAND BURIAL:

SUSCEPTIBILITY - LAND SPREADING:

--- MINIMUM SETBACK(FT): 0200 ---

WELL: 20421 W1 W OF BARN AND OFFICE IN THE STREET  
LATITUDE: N41 31 30.0

STATUS: ACTIVE  
LONGITUDE: W088 10 38.0

TWP: 35N DEPTH(FT): 580  
RNG: 09E SEC: 10 PLOT: 8A

SUSCEPTIBILITY - LAND BURIAL: C1  
AQUIFERS: SILURIAN DOLOMITE  
GALENA-PLATTEVILLE

SUSCEPTIBILITY - LAND SPREADING:  
ANCELL GROUP

--- MINIMUM SETBACK(FT): 0200 ---

WELL: 20422 W2 N OF BARN 100FT N OFF WELL 3  
LATITUDE: N41 31 30.0

STATUS: ACTIVE  
LONGITUDE: W088 10 36.0

TWP: 35N DEPTH(FT): 1440  
RNG: 09E SEC: 10 PLOT: 8A

SUSCEPTIBILITY - LAND BURIAL: C1  
AQUIFERS: EMINENCE-POTOSI  
IRONTON-GALESVILLE

SUSCEPTIBILITY - LAND SPREADING:  
FRANCONIA FORMATION

--- MINIMUM SETBACK(FT): 0200 ---

SUSCEPTIBILITY CODES

LAND BURIAL: C1 = PERMEABLE BEDROCK WITHIN 20 TO 50 FT OF SURFACE, OVERLAIN BY TILL OR OTHER FINE-GRAINED MATERIAL.





## APPENDIX D





ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

REPORT: PUGMP048  
MODULE: PUGMP026

FACILITY: 1975225 IMPERIAL INP  
TAP: 01 WELL 2  
RAW SPEC: 00157 IMPERIAL MHP WELL 3 SOUTH SIDE OF BARN  
STATUS: A PUBLIC: Y COMM: Y TYPE WATER: G

SAMPLE NO: B71431800 LOCATION: IMPERIAL MHP WELL 3  
SHFL TYPE: RAW COLLECTOR: MARYINEZ  
SHPL PURP: 5-SPEC/OTHR COMMENTS:  
SHPL PRG6: I-G/M INOPG OASRVATNS:

COLL DATE: 08/28/87 DELIVERED BY: UPS  
LAB RCVD: 09/01/87 RECEIVED BY: PHD  
LAB COMPL: 11/06/87 LAB SUPERVISOR: RPF  
SMPL PERIOD: 08/87 FUND CODE: PW30

ANALYSIS		RSLT	NO	DESCRIPTION	UNITS	RESULT	DRINK WTR	RAW WTR	TRIGGER LEVEL
1021000	001	70300	RESIDUE, TOTAL FILTERABLE @180 C, MG/L	MG/L	585.000				
1031000	001	00410	ALKALINITY, TOTAL, MG/L AS CaCO3	MG/L	286.000				
1071000	001	00951	FLUORIDE, TOTAL, MG/L AS F	MG/L	1.430		4.000		
1081000	001	00940	CHLORIDE, TOTAL, MG/L AS CL	MG/L	69.000				
1091000	001	00945	SULFATE, TOTAL, MG/L AS SO4	MG/L	120.000				
1101000	001	00630	NITRATE & NITRITE, TOTAL, MG/L AS N	MG/L	0.500		10.000		
1111000	001	00610	NITROGEN, AMMONIA, TOTAL, MG/L AS N	MG/L	0.100				
1121000	001	32730	PHENOLS, TOTAL, RECOVERABLE, UG/L	UG/L	5.000				
1141000	001	00956	SILICA, TOTAL, MG/L AS SiO2	MG/L	7.400				
1151000	001	00665	PHOSPHORUS, TOTAL, MG/L AS P	MG/L	0.010				
1161000	001	00720	CYANIDE, TOTAL, MG/L AS CN	MG/L	0.005				
1441000	001	01002	ARSENIC, TOTAL, RECOVERABLE, UG/L AS AS	UG/L	1.000				
1511000	001	01051	LEAD, TOTAL, RECOVERABLE, UG/L AS PB	UG/L	5.000				
1531000	001	01190	MERCURY, TOTAL, UG/L AS HG	UG/L	0.050				
1551000	001	01147	SELENIUM, TOTAL, RECOVERABLE, UG/L AS SE	UG/L	1.000				
1771100	001	00916	CALCIUM, TOTAL, RECOVERABLE, MG/L AS CA ANAL BY ICP	MG/L	35.000				
1771100	002	00927	MAGNESIUM, TOTAL, RECOVERABLE, MG/L AS CA ANAL BY ICP	MG/L	18.000				
1771100	003	00929	SODIUM, TOTAL, RECOVERABLE, MG/L AS NA ANAL BY ICP	MG/L	146.000				
1771100	004	00937	POTASSIUM, TOTAL, RECOVERABLE, MG/L AS K ANAL BY ICP	MG/L	19.000				
1771100	005	01105	ALUMINIUM, TOTAL, RECOVERABLE, UG/L AS AL ANAL BY ICP	UG/L	50.000				
1771100	006	01007	BARIUM, TOTAL, RECOVERABLE, UG/L AS BA ANAL BY ICP	UG/L	29.000		1000.000		
1771100	007	01022	BORON, TOTAL, RECOVERABLE, UG/L AS B ANAL BY ICP	UG/L	769.000				
1771100	008	01012	BERYLLIUM, TOTAL, RECOVERABLE, UG/L AS BE ANAL BY ICP	UG/L	0.500				
1771100	009	01027	CADMIUM, TOTAL, RECOVERABLE, UG/L AS CD ANAL BY ICP	UG/L	3.000		10.000		
1771100	010	01034	CHROMIUM, TOTAL, RECOVERABLE, UG/L AS CR ANAL BY ICP	UG/L	8.000		50.000		
1771100	011	01042	COPPER, TOTAL, RECOVERABLE, UG/L AS CU ANAL BY ICP	UG/L	31.000		5000.000		
1771100	012	01037	COBALT, TOTAL, RECOVERABLE, UG/L AS CO ANAL BY ICP	UG/L	6.000				
1771100	013	01045	IRON, TOTAL, RECOVERABLE, UG/L AS FE ANAL BY ICP	UG/L	50.000		1000.000		
1771100	014	01055	MANGANESE, TOTAL, RECOVERABLE, UG/L AS MN ANAL BY ICP	UG/L	5.000		150.000		
1771100	015	01067	NICKEL, TOTAL, RECOVERABLE, UG/L AS NI ANAL BY ICP	UG/L	15.000				
1771100	016	01077	SILVER, TOTAL, RECOVERABLE, UG/L AS AG ANAL BY ICP	UG/L	5.000		50.000		
1771100	017	01082	STRONTIUM, TOTAL, RECOVERABLE, UG/L AS SR ANAL BY ICP	UG/L	1296.000				
1771100	018	01087	VANADIUM, TOTAL, RECOVERABLE, UG/L AS V ANAL BY ICP	UG/L	5.000				
1771100	019	01092	ZINC, TOTAL, RECOVERABLE, UG/L AS ZN ANAL BY ICP	UG/L	192.000		5000.000		
1771100	020	82394	HARDNESS, CALC - MG/L	MG/L	163.000				
530F000	001	72037	PUMPING RATE GPM	GAL/M	60.000				



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

PAGE: 62  
DATE: 05/09/91

REPORT: PWGMP048  
MODULE: PWGMM026

FACILITY: 1975225 IMPERIAL MHP  
TAP: 01 WELL 2  
RAW SPCE: 20421 W1 W OF BARN

STATUS: A PUBLIC: Y  
STATUS: A  
STATUS: A

OFFICE IN THE STREET

SAMPLE NO: R71431300 LOCAT: : IMPERIAL MHP WELL 1  
SAMPL TYPE: RAW COLLEC: MARTINEZ  
SAMPL PURP: 5-SPEC/OTHR COMME: S:  
SAMPL PRPG: 1-GWH INOPG ORSRVA

COLL DATE: 08/28/87 DELIVERED BY: UPS  
LAB RCVD: 09/01/87 RECEIVED BY: PMD  
LAB COMPL: 11/03/87 LAB SUPERVISOR: RPF  
SMPL PERIOD: 08/87 FUND CODE: PW30

ANALYSIS		RSLT		STORET		DESCRPT		UNITS		RESULT		STANDARDS		TRIGGER	
NO	IC	NO	IC	NO	IC	NO	IC	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
102T000	001	70300	001	70300	001	RESIDUE, TOTAL	0180 C, MG/L	MG/L	540.000						
103T000	001	00410	001	00410	001	ALKALINITY, TOTAL	MG/L AS CaCO3	MG/L	274.000						
107T000	001	00951	001	00951	001	FLUORIDE, TOTAL	MG/L AS F	MG/L	1.560		4.000				
108T000	001	00940	001	00940	001	CHLORIDE, TOTAL	MG/L AS CL	MG/L	73.000						
109T000	001	00945	001	00945	001	SULFATE, TOTAL	MG/L AS SO4	MG/L	35.000						
110T000	001	00630	001	00630	001	NITRATE & NITRITE TOTAL	MG/L AS N	MG/L	0.490		10.000				
111T000	001	00610	001	00610	001	NITROGEN, AMMONIA TOTAL	MG/L AS N	MG/L	0.320						
112T000	001	32730	001	32730	001	PHENOLS, TOTAL	RECOVERABLE	UG/L	5.000						
114T000	001	00956	001	00956	001	SILICA, TOTAL	MG/L AS SiO2	MG/L	7.000						
115T000	001	00665	001	00665	001	PHOSPHORUS, TOTAL	MG/L AS P	MG/L	0.050						
116T000	001	00720	001	00720	001	CYANIDE, TOTAL	MG/L AS CN	MG/L	0.005		0.200				
144T000	001	01002	001	01002	001	ARSENIC, TOTAL	RECOVERABLE	UG/L AS AS	74.000		50.000*				
151T000	001	01051	001	01051	001	LEAD, TOTAL	RECOVERABLE	UG/L AS PB	5.000		50.000				
153T000	001	71900	001	71900	001	MERCURY, TOTAL	UG/L AS HG	UG/L	0.050		2.000				
155T000	001	01147	001	01147	001	SELENIUM, TOTAL	RECOVERABLE	UG/L AS SE	1.000		10.000				
177T100	001	00916	001	00916	001	CALCIUM, TOTAL	RECOVERABLE	MG/L AS CA ANAL BY ICP	29.000						
177T100	002	00927	001	00927	001	MAGNESIUM, TOTAL	RECOVERABLE	MG/L AS CA ANAL BY ICP	15.000						
177T100	003	00929	001	00929	001	SODIUM, TOTAL	RECOVERABLE	MG/L AS NA ANAL BY ICP	145.000						
177T100	004	00937	001	00937	001	POTASSIUM, TOTAL	RECOVERABLE	MG/L AS K ANAL BY ICP	17.000						
177T100	005	01105	001	01105	001	ALUMINIUM, TOTAL	RECOVERABLE	UG/L AS AL ANAL BY ICP	50.000						
177T100	006	01097	001	01097	001	BARIUM, TOTAL	RECOVERABLE	UG/L AS BA ANAL BY ICP	26.000		1000.000				
177T100	007	01022	001	01022	001	BORON, TOTAL	RECOVERABLE	UG/L AS B ANAL BY ICP	32.000						
177T100	008	01012	001	01012	001	BERYLLIUM, TOTAL	RECOVERABLE	UG/L AS BE ANAL BY ICP	0.500						
177T100	009	01027	001	01027	001	CADMIUM, TOTAL	RECOVERABLE	UG/L AS CD ANAL BY ICP	3.000		10.000				
177T100	010	01034	001	01034	001	CHROMIUM, TOTAL	RECOVERABLE	UG/L AS CR ANAL BY ICP	9.000		50.000				
177T100	011	01042	001	01042	001	COPPER, TOTAL	RECOVERABLE	UG/L AS CU ANAL BY ICP	31.000		5000.000				
177T100	012	01037	001	01037	001	COBALT, TOTAL	RECOVERABLE	UG/L AS CO ANAL BY ICP	5.000						
177T100	013	01045	001	01045	001	IRON, TOTAL	RECOVERABLE, UG/L AS FE ANAL BY ICP	UG/L	72.000		1000.000				
177T100	014	01055	001	01055	001	MANGANESE, TOTAL	RECOVERABLE	UG/L AS MN ANAL BY ICP	5.000		150.000				
177T100	015	01067	001	01067	001	NICKEL, TOTAL	RECOVERABLE	UG/L AS NI ANAL BY ICP	1.000						
177T100	016	01077	001	01077	001	SILVER, TOTAL	RECOVERABLE	UG/L AS AG ANAL BY ICP	6.000		50.000				
177T100	017	01082	001	01082	001	STRONTIUM, TOTAL	RECOVERABLE	UG/L AS SR ANAL BY ICP	1122.000						
177T100	018	01087	001	01087	001	VANADIUM, TOTAL	RECOVERABLE	UG/L AS V ANAL BY ICP	5.000						
177T100	019	01092	001	01092	001	ZINC, TOTAL	RECOVERABLE	UG/L AS ZN ANAL BY ICP	234.000		5000.000				
177T100	020	82394	001	82394	001	HARDNESS, CALC	- MG/L	MG/L	134.000						
530T000	001	72037	001	72037	001	PUMPING RATE	GPM	GAL/M	80.000						

SAMPLE NO: 075982600 LOCATION: PLAINFIELD/WELL#1 IMPERIAL MHP  
SAMPL TYPE: RAW COLLECTOR: MARTINEZ  
SAMPL PURP: 5-SPEC/OTHR COMMENTS: VOCs

COLL DATE: 08/28/87 DELIVERED BY: MAIL  
LAB RCVD: 09/02/87 RECEIVED BY: D V  
LAB COMPL: 09/11/87 LAB SUPERVISOR: JTH



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

PAGE: 63  
DATE: 05/09/91

REPORT: PWGWP048  
MODULE: PWGWM026

FACILITY: 1975225 IMPERIAL MHP									
*** CONTINUED ***									
FACILITY: 1975225 IMPERIAL MHP		OBSRVATNS: 2VOC9		SMPL PERIOD: 08/87		FUND CODE: PW30		TRIGGER	
SMPL PROG: V-VOC		ANALYSIS RSLT		STORET		STANDARDS		RAW WTR	
ID	NO	NO	NO	NO	DESCRIPTION	UNITS	RESULT	DRINK WTR	LEVEL
431A	00	001	32106		CHLOROFORM UG/L GC/MS	UG/L	1.000		
431A	00	002	32101		BROMOCHLOROMETHANE UG/L GC/MS	UG/L	1.000		
431A	00	003	32105		DIBROMOCHLOROMETHANE UG/L GC/MS	UG/L	1.000		
431A	00	004	32104		BROMOFORM UG/L GC/MS	UG/L	1.000		
431A	00	005	34423		METHYLENE CHLORIDE UG/L	UG/L	1.000		
431A	00	006	34501		1,1-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000	7.000	
431A	00	007	34496		1,1-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000		
431A	00	008	34546		TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000		
431A	00	009	77279		1,2-DICHLOROETHYLENE UG/L	UG/L	1.000		
431A	00	010	34506		1,1,1-TRICHLOROETHYLENE UG/L GC/MS	UG/L	1.000		
431A	00	011	32102		CARBON TETRACHLORIDE UG/L GC/MS	UG/L	1.000	5.000	
431A	00	012	39180		TRICHLOROETHYLENE UG/L	UG/L	1.000	200.000	
431A	00	013	34475		TETRACHLOROETHYLENE UG/L GC/MS	UG/L	1.000	5.000	
431A	00	014	34301		CHLOROBENZENE UG/L	UG/L	1.000		
431A	00	015	34716		DICHLOROBENZENE UG/L	UG/L	1.000		
431A	00	016	78124		BENZENE UG/L	UG/L	1.000	5.000	
431A	00	017	78131		TOLUENE UG/L	UG/L	1.000		
431A	00	018	78113		ETHYLBENZENE UG/L	UG/L	1.000		
431A	00	019	81551		XYLENE UG/L	UG/L	1.000		
5001200	001		72037		PUMPING RATE GPM	GAL/M	80.000		

FACILITY: 1975225 IMPERIAL MHP  
TAP: 01 WELL 2  
RAW SPCE: 20122 W2 H OF BARN 100FT H OFF WELL 3  
STATUS: A  
STATUS: A  
STATUS: A

SAMPLE NO: P71431700  
SMPL TYPE: RAW  
SMPL PURP: 5-SPEC/OTHER  
SMPL PROG: I-GW INORG OBSRVATNS:  
LOCATION: IMPERIAL MHP WELL 2B  
COLLECTOR: MARTINEZ/UPS  
COMMENTS:  
COLL DATE: 08/28/87  
LAB RCVD: 09/01/87  
LAB COMPL: 11/06/87  
SMPL PERIOD: 08/87  
DELIVERED BY: PMD  
RECEIVED BY: RPF  
LAB SUPERVISOR: RPF  
FUND CODE: PW30

FACILITY: 1975225 IMPERIAL MHP									
*** CONTINUED ***									
FACILITY: 1975225 IMPERIAL MHP		OBSRVATNS: 2VOC9		SMPL PERIOD: 08/87		FUND CODE: PW30		TRIGGER	
SMPL PROG: V-VOC		ANALYSIS RSLT		STORET		STANDARDS		RAW WTR	
ID	NO	NO	NO	NO	DESCRIPTION	UNITS	RESULT	DRINK WTR	LEVEL
102T000	001	70300			RESIDUE, TOTAL FILTERABLE @180 C, MG/L	MG/L	474.000		
103T000	001	00410			ALKALINITY, TOTAL MG/L AS $\text{CaCO}_3$	MG/L	262.000		
107T000	001	00951			FLUORIDE, TOTAL MG/L AS F	MG/L	1.160	4.000	
108T000	001	00940			CHLORIDE, TOTAL MG/L AS CL	MG/L	30.000		
109T000	001	00945			SULFATE, TOTAL MG/L AS $\text{SO}_4$	MG/L	93.000		
110T000	001	00630			NITRATE & NITRITE TOTAL MG/L AS N	MG/L	0.100	10.000	
111T000	001	00610			NITROGEN, AMMONIA TOTAL MG/L AS N	MG/L	0.770		
112T000	001	32730			PHENOLS, TOTAL RECOVERABLE UG/L	UG/L	5.000		
114T000	001	00956			SILICA, TOTAL MG/L AS $\text{SiO}_2$	MG/L	7.400		
115T000	001	00665			PHOSPHORUS, TOTAL MG/L AS P	MG/L	0.010		
116T000	001	00720			CYANIDE, TOTAL MG/L AS CN	MG/L	0.005	0.200	
144T000	001	01002			APSEPTIC, TOTAL RECOVERABLE UG/L AS AS	UG/L	1.000	50.000	



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

REPORT: P10P048  
MODULE: P10M1026

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DATE: 05/09/91

FACILITY: 1975225 IMPERIAL MHP

\*\*\* CONTINUED \*\*\*

ANALYSIS ID	PSLT NO	DESCRIPTION	UNITS	RESULT	DRINK WTR	RAW WTR	TRIGGER LEVEL
102T000	001	RESIDUE, TOTAL FILTERABLE @180 C, MG/L	MG/L	427.000			
103T000	001	ALKALINITY, TOTAL MG/L AS CaCO3	MG/L	264.000			
107T000	001	FLUORIDE, TOTAL MG/L AS F	MG/L	1.220	4.000		
108T000	001	CHLORIDE, TOTAL MG/L AS CL	MG/L	50.000			
109T000	001	SULFATE, TOTAL MG/L AS SO4	MG/L	92.000			
110T000	001	NITRATE & NITRITE, TOTAL MG/L AS N	MG/L	0.100	10.000		
111T000	001	NITROGEN, AMMONIA, TOTAL MG/L AS N	MG/L	0.760			
112T000	001	PHENOLS, TOTAL RECOVERABLE MG/L	MG/L	5.000			
114T000	001	SILICA, TOTAL MG/L AS SiO2	MG/L	7.300			
115T000	001	PHOSPHORUS, TOTAL MG/L AS P	MG/L	0.010			
116T000	001	CYANIDE, TOTAL MG/L AS CN	MG/L	0.005			0.200
144T000	001	ARSENIC, TOTAL RECOVERABLE MG/L AS AS	MG/L	1.000			50.000
151T100	001	LEAD, TOTAL RECOVERABLE MG/L AS Pb	MG/L	5.000			50.000
153T000	001	MERCURY, TOTAL UG/L AS Hg	UG/L	0.050			2.000
155T000	001	SELENIUM, TOTAL RECOVERABLE UG/L AS SE	UG/L	1.000			10.000
177T100	001	CALCIUM, TOTAL RECOVERABLE MG/L AS Ca ANAL BY ICP	MG/L	53.000			
177T100	002	MAGNESIUM, TOTAL RECOVERABLE MG/L AS Ca ANAL BY ICP	MG/L	20.000			
177T100	003	SODIUM, TOTAL RECOVERABLE MG/L AS Na ANAL BY ICP	MG/L	73.000			
177T100	004	POTASSIUM, TOTAL RECOVERABLE MG/L AS K ANAL BY ICP	MG/L	16.000			
177T100	005	ALUMINIUM, TOTAL RECOVERABLE UG/L AS Al ANAL BY ICP	UG/L	50.000			
177T100	006	BARIUM, TOTAL RECOVERABLE UG/L AS Ba ANAL BY ICP	UG/L	28.000			
177T100	007	BORON, TOTAL RECOVERABLE UG/L AS B ANAL BY ICP	UG/L	610.000			
177T100	008	BERYLLIUM, TOTAL RECOVERABLE UG/L AS Be ANAL BY ICP	UG/L	1.000			
177T100	009	CADMIUM, TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICP	UG/L	3.000			
177T100	010	COPPER, TOTAL RECOVERABLE UG/L AS Cu ANAL BY ICP	UG/L	5.000			
177T100	011	COPPER, TOTAL RECOVERABLE UG/L AS Cu ANAL BY ICP	UG/L	5.000			
177T100	012	COPPER, TOTAL RECOVERABLE UG/L AS Cu ANAL BY ICP	UG/L	5.000			
177T100	013	COBALT, TOTAL RECOVERABLE UG/L AS Co ANAL BY ICP	UG/L	5.000			
177T100	014	IRON, TOTAL RECOVERABLE UG/L AS Fe ANAL BY ICP	UG/L	765.000			
177T100	015	MANGANESE, TOTAL RECOVERABLE UG/L AS Mn ANAL BY ICP	UG/L	7.000			
177T100	016	NICKEL, TOTAL RECOVERABLE UG/L AS Ni ANAL BY ICP	UG/L	5.000			
177T100	017	SILVER, TOTAL RECOVERABLE UG/L AS Ag ANAL BY ICP	UG/L	3.000			
177T100	018	STRONTIUM, TOTAL RECOVERABLE UG/L AS Sr ANAL BY ICP	UG/L	1901.000			
177T100	019	Vanadium, TOTAL RECOVERABLE UG/L AS V ANAL BY ICP	UG/L	5.000			
177T100	020	ZINC, TOTAL RECOVERABLE UG/L AS Zn ANAL BY ICP	UG/L	50.000			
177T100	021	MARCHNESS, CALC - MG/L	MG/L	216.000			
530F000	001	PUMPING RATE GPM	GAL/M	110.000			

SAMPLE NO: B71431900 LOCATION: IMPERIAL MHP WELL 2  
SMPL TYPE: RAW COLLECTOR: MARTINEZ  
SMPL PURP: 5-SPEC/OTHR COMMENTS:  
SMPL PROG: I-GWA INORG OBSERVATIONS:

COLL DATE: 08/28/87 DELIVERED BY: UPS  
LAB RCVD: 09/01/87 RECEIVED BY: PMD  
LAB COMPL: 11/06/87 LAB SUPERVISOR: RPF  
SHPL PERIOD: 08/87 FUND CODE: PW30

ANALYSIS ID	PSLT NO	DESCRIPTION	UNITS	RESULT	DRINK WTR	RAW WTR	TRIGGER LEVEL
102T000	001	RESIDUE, TOTAL FILTERABLE @180 C, MG/L	MG/L	427.000			
103T000	001	ALKALINITY, TOTAL MG/L AS CaCO3	MG/L	264.000			
107T000	001	FLUORIDE, TOTAL MG/L AS F	MG/L	1.220	4.000		
108T000	001	CHLORIDE, TOTAL MG/L AS CL	MG/L	50.000			
109T000	001	SULFATE, TOTAL MG/L AS SO4	MG/L	92.000			
110T000	001	NITRATE & NITRITE, TOTAL MG/L AS N	MG/L	0.100	10.000		
111T000	001	NITROGEN, AMMONIA, TOTAL MG/L AS N	MG/L	0.760			
112T000	001	PHENOLS, TOTAL RECOVERABLE MG/L	MG/L	5.000			
114T000	001	SILICA, TOTAL MG/L AS SiO2	MG/L	7.300			
115T000	001	PHOSPHORUS, TOTAL MG/L AS P	MG/L	0.010			
116T000	001	CYANIDE, TOTAL MG/L AS CN	MG/L	0.005			0.200
144T000	001	ARSENIC, TOTAL RECOVERABLE MG/L AS AS	MG/L	1.000			50.000
151T100	001	LEAD, TOTAL RECOVERABLE MG/L AS Pb	MG/L	5.000			50.000
153T000	001	MERCURY, TOTAL UG/L AS Hg	UG/L	0.050			2.000
155T000	001	SELENIUM, TOTAL RECOVERABLE UG/L AS SE	UG/L	1.000			10.000
177T100	001	CALCIUM, TOTAL RECOVERABLE MG/L AS Ca ANAL BY ICP	MG/L	53.000			
177T100	002	MAGNESIUM, TOTAL RECOVERABLE MG/L AS Ca ANAL BY ICP	MG/L	20.000			



FACILITY:

431A 00	001	32106	CHLOROFORM UG/L GC/MS	UG/L	1.000
431A 00	002	32101	BROMODICHLOROMETHANE UG/L GC/MS	UG/L	1.000
431A 00	003	32105	DIBROMOCHLOROMETHANE UG/L GC/MS	UG/L	1.000
431A 00	004	32104	BROMOFORM UG/L GC/MS	UG/L	1.000
431A 00	005	34423	ETHYLENE CHLORIDE UG/L	UG/L	1.000
431A 00	006	34501	1,1-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000
431A 00	007	34406	1,1-DICHLOROETHANE UG/L GC/MS	UG/L	1.000
431A 00	008	34546	TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS	UG/L	1.000
431A 00	009	77279	1,2-DICHLOROETHANE UG/L	UG/L	1.000
431A 00	010	34506	1,1,1-TRICHLOROETHANE UG/L GC/MS	UG/L	1.000
431A 00	011	32102	CARBON TETRACHLORIDE UG/L GC/MS	UG/L	1.000
431A 00	012	39180	TRICHLOROETHYLENE UG/L	UG/L	1.000
431A 00	013	34475	TETRACHLOROETHYLENE UG/L GC/MS	UG/L	1.000
431A 00	014	34301	CHLOROBENZENE UG/L	UG/L	1.000
431A 00	015	34716	DICHLOROBENZENE UG/L	UG/L	1.000
431A 00	016	78124	BENZENE UG/L	UG/L	1.000
431A 00	017	78131	TOLUENE UG/L	UG/L	1.000
431A 00	018	78113	ETHYLBENZENE UG/L	UG/L	1.000
431A 00	019	21551	XYLENE UG/L	UG/L	1.000
5001200	001	72037	PUMPING RATE GPM	GAL/H	110.000











UNIVERSITY OF ILLINOIS-URBANA



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